

## WHAT WE CLAIM IS:

1. A trampoline and enclosure system comprising:  
a trampoline comprising a flexible mat and a plurality of springs holding the  
5 mat in tension within a peripheral frame of the trampoline which surrounds the mat; and  
an enclosure system comprising a barrier of a flexible material surrounding the  
mat above the mat and having a lower peripheral part coupled directly or indirectly to  
the mat and a plurality of resiliently flexible generally upright enclosure support  
members outside of the barrier relative to the mat and which are connected at or towards  
10 the lower ends of the enclosure support members to the frame of the trampoline and at  
or towards their upper ends to the barrier at or near an upper peripheral part of the  
barrier to support the barrier above the mat, and which are free to resiliently deform  
away from the mat when impacted by a user against the barrier or an enclosure support  
member, and which are also connected together at or towards the upper ends of the  
15 enclosure support members to draw and pre-tension the upper ends of the enclosure  
support members away from their natural rest state (when connected only at their lower  
ends to the frame of the trampoline) and towards the centre of the mat.
2. A trampoline and enclosure system according to claim 1, wherein said barrier  
20 comprises a flexible net material.
3. A trampoline and enclosure system according to either of claims 1 or 2 wherein  
the enclosure support members hold the barrier in tension.
- 25 4. A trampoline and enclosure system according to any one of claims 1 to 3,  
wherein the enclosure support members are pultruded fibreglass rods.
5. A trampoline and enclosure system according to any one of claims 1 to 4  
wherein the enclosure support members are connected together at or towards their upper  
30 ends by an upper peripheral part of the barrier.

6. A trampoline and enclosure system according to any one of claims 1 to 4 wherein the enclosure support members are connected together at or towards their upper ends by a flexible connecting element

5 7. A trampoline and enclosure system according to claim 6 wherein said flexible connecting element is fixed to or integral with the barrier at or towards an upper peripheral part of the barrier.

8. A trampoline and enclosure system according to any one of claims 1 to 7,  
10 wherein the enclosure support members are connected to the frame of the trampoline below the surface of the mat.

9. A trampoline and enclosure system comprising:

15 a trampoline comprising a flexible mat and a plurality of coil springs holding the mat in tension within a peripheral frame of the trampoline which surrounds the mat; and

an enclosure system comprising a barrier of a flexible net material surrounding the mat above the mat and having a lower peripheral part coupled directly or indirectly to a periphery of the mat and a plurality of resiliently flexible generally upright enclosure support members outside of the barrier relative to the mat and which are  
20 connected at or towards the lower ends of the enclosure support members to the frame of the trampoline so that in their natural rest state (when connected only at the lower ends to the frame of the trampoline) the enclosure support members extend away from the mat, and which are connected to the barrier net only at or near an upper peripheral  
25 part of the barrier to hold the net in tension above the mat, and which enclosure support members are also connected together at or towards the upper ends of the enclosure support members to draw the upper ends of the enclosure support members away from their natural rest state (when connected only at their lower ends to the frame of the trampoline) and towards the centre of the mat, so that when impacted by a user against  
30 the barrier on one side of the enclosure causing the barrier and enclosure support member on that side of the enclosure to resiliently deform away from the mat, the

enclosure support members and barrier on the opposite side of the enclosure will be resiliently deformed towards the centre of the mat.

10. A trampoline and enclosure system according to claim 10, wherein the enclosure support members are pultruded fibreglass rods.

11. A trampoline and enclosure system comprising:

a trampoline comprising a flexible mat and a plurality of coil springs holding the mat in tension within a peripheral frame of the trampoline which surrounds the mat; and

an enclosure system comprising a barrier of a flexible net material surrounding the mat above the mat and having a lower peripheral part coupled directly or indirectly to a periphery of the mat and a plurality of resiliently flexible generally upright enclosure support members outside of the barrier relative to the mat and which are connected at or towards the lower ends of the enclosure support members to the frame of the trampoline and which are connected to the barrier net only at or near an upper peripheral part of the barrier to hold the net in tension above the mat, and which enclosure support members are also connected together at or towards the upper ends of the enclosure support members to draw the upper ends of the enclosure support members away from their natural rest state (when connected only at their lower ends to the frame of the trampoline) and towards the centre of the mat, so that when impacted by a user against the barrier on one side of the enclosure causing the barrier and enclosure support member on that side of the enclosure to resiliently deform away from the mat, the enclosure support members and barrier on the opposite side of the enclosure will be resiliently deformed towards the centre of the mat.

12. A trampoline and enclosure system according to claim 11, wherein the enclosure support members are pultruded fibreglass rods.